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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/559,669	12/06/2005	Takao Horiuchi	2005-1423A	7214
	7590 02/13/200 , LIND & PONACK, I	EXAMINER		
2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			ZERVIGON, RUDY	
			ART UNIT	PAPER NUMBER
			1792	
			MAIL DATE	DELIVERY MODE
			02/13/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/559,669	HORIUCHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Rudy Zervigon	1792			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>06 December</u> 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 06 December 2005 is/ar Applicant may not request that any objection to the content of the content	r election requirement. r. re: a)⊠ accepted or b)⊡ object	•			
Replacement drawing sheet(s) including the correcti		, ,			
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/6/2005.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- Claims 1-4 are rejected under 35 U.S.C. 102(a,e) as being anticipated by Patel; Satyadev R. et al. (US 6942811 B2). Patel teaches a substrate (14; Figure 2; column 4; line 37) processing system (Figure 2; column 4; lines 21-66) comprising: a gas supply source (19 or 20; Figure 2; column 3; lines 15-25) for supplying a process gas containing a reactive substance; a reservoir tank (12; Figure 2; column 3; lines 10-25) connected to said gas supply source (19 or 20; Figure 2; column 3; lines 15-25) for reserving said process gas; a reactor (15; Figure 2; column 3; lines 10-25) for exposing a substrate (14; Figure 2; column 4; line 37) placed therein to said process gas; a first circulation pipe (36; Figure 2; column 5; line 2) for introducing the process gas inside said reactor (15; Figure 2; column 3; lines 10-25) into said reservoir tank (12; Figure 2; column 3; lines 10-25); a second circulation pipe (return at 85; Figure 2; column 5; line 2) for introducing at least part of the process gas in said reservoir tank (12; Figure 2; column 3; lines 10-25) into said reactor (15; Figure 2; column 3; lines 10-25); and a flow regulating valve (85; Figure 2; column 3; line 20) disposed in said second circulation pipe (return at 85; Figure 2; column 5; line 2) for regulating the amount of process gas to be introduced into said reactor (15;

Figure 2; column 3; lines 10-25), as claimed by claim 1. Applicant's claim requirement of "a process gas containing a reactive substance" is a claim requirement of intended use in the pending apparatus claims. Further, it has been held that claim language that simply specifies an intended use or field of use for the invention generally will not limit the scope of a claim (Walter , 618 F.2d at 769, 205 USPQ at 409; MPEP 2106). Additionally, in apparatus claims, intended use must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim (In re Casey,152 USPQ 235

(CCPA 1967); In re Otto, 136 USPQ 458, 459 (CCPA 1963); MPEP2111.02).

Patel further teaches:

- i. The substrate (14; Figure 2; column 4; line 37) processing system (Figure 2; column 4; lines 21-66) of claim 1, further comprising a pump (23; Figure 2; column 3; line 25) for drawing said process gas from said reactor (15; Figure 2; column 3; lines 10-25) and introducing it into said reservoir tank (12; Figure 2; column 3; lines 10-25) through said first circulation pipe (36; Figure 2; column 5; line 2), as claimed by claim 2
- ii. The substrate (14; Figure 2; column 4; line 37) processing system (Figure 2; column 4; lines 21-66) of claim 1, further comprising a second gas supply source (29; Figure 2) for supplying a second process gas to said reactor (15; Figure 2; column 3; lines 10-25) such that the second process gas bypasses said reservoir tank (12; Figure 2; column 3; lines 10-25), said second process gas containing a reactive substance different from that contained in said first process gas, as claimed by claim 3. Applicant's claim requirement of "said second process gas containing a reactive substance different from that contained

in said first process gas" is a claim requirement of intended use in the pending apparatus claims. Further, it has been held that claim language that simply specifies an intended use or field of use for the invention generally will not limit the scope of a claim (Walter, 618 F.2d at 769, 205 USPQ at 409; MPEP 2106). Additionally, in apparatus claims, intended use must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim (In re Casey,152 USPQ 235 (CCPA 1967); In re Otto, 136 USPQ 458, 459 (CCPA 1963); MPEP2111.02).

iii. The substrate (14; Figure 2; column 4; line 37) processing system (Figure 2; column 4; lines 21-66) of claim 2, further comprising a second gas supply source (29; Figure 2) for supplying a second process gas to said reactor (15; Figure 2; column 3; lines 10-25) such that the second process gas bypasses said reservoir tank (12; Figure 2; column 3; lines 10-25), said second process gas containing a reactive substance different from that contained in said first process gas, as claimed by claim 4. Applicant's claim requirement of "said second process gas containing a reactive substance different from that contained in said first process gas" is a claim requirement of intended use in the pending apparatus claims. Further, it has been held that claim language that simply specifies an intended use or field of use for the invention generally will not limit the scope of a claim (Walter, 618 F.2d at 769, 205 USPQ at 409; MPEP 2106). Additionally, in apparatus claims, intended use must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art

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structure is capable of performing the intended use, then it meets the claim (In re

Casey,152 USPQ 235 (CCPA 1967); In re Otto, 136 USPQ 458, 459 (CCPA 1963);

MPEP2111.02).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Examiner Rudy Zervigon whose telephone number is (571) 272-

1442. The examiner can normally be reached on a Monday through Thursday schedule from 8am

through 7pm. The official fax phone number for the 1792 art unit is (571) 273-8300. Any Inquiry

of a general nature or relating to the status of this application or proceeding should be directed to

the Chemical and Materials Engineering art unit receptionist at (571) 272-1700. If the examiner

can not be reached please contact the examiner's supervisor, Parviz Hassanzadeh, at (571) 272-

1435.

/Rudy Zervigon/

Primary Examiner, Art Unit 1792